

APPLICATION

Cable used for EIA Rs-485 applications
Hi-speed data transmission Cable used for wide applications like building automation, Industrial automation, BMS, SCADA, PLC etc.

CONSTRUCTION

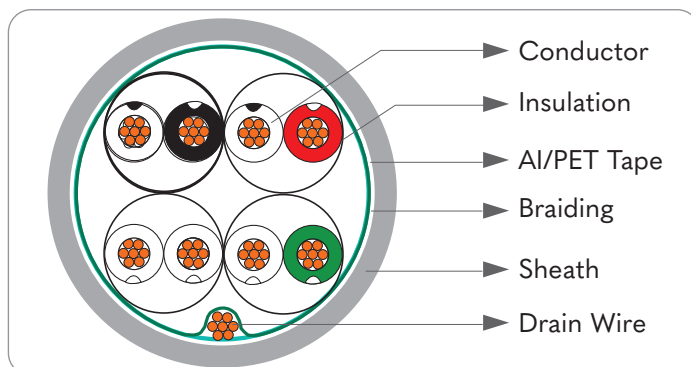
Foam or Solid PE

Pair 1: White / Blue + Blue / White

Pair 2: White / Orange + Orange / White

Pair 3: White / Green + Green / White

Pair 4: White / Brown + Brown / White



DESIGN

Unit	Tinned Copper Wire, Flexible
Insulation	Foam or Solid PE
	Pair 1: White / Blue + Blue / White
	Pair 2: White / Orange + Orange / White
	Pair 3: White / Green + Green / White
	Pair 4: White / Brown + Brown / White
Cable Core	N Pairs Stranded
Screen	Aluminium / Polyester 100% Coverage
Drain Wire	Tinned Copper 24 AWG (7 x 32)
Braid	Tinned Copper Wire
Sheath Material	Polyvinyl Chloride (PVC) - Stranded Colour: Grey
Standard Put Up Length	305 or 500 metres

Other colours, Put up Lengths and Structures can be manufactured upon request.

PHYSICAL CHARACTERISTICS

Conductor Gauge (AWG)	22				24			
No. of Pairs	1	2	3	4	1	2	3	4
Conductor configuration (AWG)	7 x 30				7 x 32			
Insulation material	FPE	FPE	FPE	FPE	FPE	PE	PE	PE
Nom. Radial Thickness Insulation (mm)	0.6	0.5	0.5	0.5	0.55	0.55	0.55	0.55
Coverage braid (%)	65				90			
Nom. Radial Thickness Sheath (mm)	0.8							
Nom. Overall Diameter (mm)	6.1	9.1	9.3	10.3	5.9	8.0	8.6	9.3
Operating Temperature(°C)	-25 / + 75							
Max. Pulling Tension (N)	355	355	355	355	355	355	355	355
Max. Bend Radius (install) (mm)	60	90	95	105	60	85	90	100
Nominal Cable Weight (kg/km)	63.7	75.6	97.0	119.1	49	80.5	92.6	114.4

ELECTRICAL CHARACTERISTICS

Conductor Gauge (AWG)	22				24			
No. of Pairs	1	2	3	4	1	2	3	4
Max. DC Resistance Conductor (Ω km)	57.4				88			
Max. DC Resistance Screen (Ω km)	20				15			
Nominal Impedance (Ω)	120							
Capacitance core to core (pF/m)	36	37	38	38	32	42	42	45
Capacitance core to rest (pF/m)	69	69	69	69	70	80	80	90
Nom. Attenuation at 1 MHz (db/100m)	2.05				2.6			
Max.Recom.Current @ 25°C (Amps)	2.7	2.7	2.7	2.7	2.1	2.1	1.54	1.54
Max. Operating Voltage (Vrms)	300							

REFERENCE STANDARDS

Flammability: Comply to IEC 60332-1, VW-1 / IEC 60228

Comply to RoHS

ORDERING INFORMATION

Part No.	Description
VFST122L	Voltan 1 Pair 22 AWG Tinned Copper Shielded Cable with Drain Wire, LSZH
VFST222L	Voltan 2 Pair 22 AWG Tinned Copper Shielded Cable with Drain Wire, LSZH
VFST124L	Voltan 1 Pair 24 AWG Tinned Copper Shielded Cable with Drain Wire, LSZH
VFST224L	Voltan 2 Pair 24 AWG Tinned Copper Shielded Cable with Drain Wire, LSZH
VFST122P	Voltan 1 Pair 22 AWG Tinned Copper Shielded Cable with Drain Wire, PVC
VFST222P	Voltan 2 Pair 22 AWG Tinned Copper Shielded Cable with Drain Wire, PVC
VFST124P	Voltan 1 Pair 24 AWG Tinned Copper Shielded Cable with Drain Wire, PVC
VFST224P	Voltan 2 Pair 24 AWG Tinned Copper Shielded Cable with Drain Wire, PVC

FST 22* (* denotes no. of Pairs) FST 24* (* denotes no. of Pairs)